

Serial No. 09/441,569

CLAIMS AMENDMENT

CLAIM 1 (CURRENTLY AMENDED). A test system for testing a transaction initiation device of the type having manually operable inputs, a human readable display for displaying messages, a communications port for communicating transaction information to an electronic funds transaction system, a memory and a processor, comprising:

an interface disposed at said transaction initiation device for converting proprietary signaling within said transaction initiation device to nonproprietary signaling at a standard interface for use with multiple proprietary arrangements, said interface comprising a standard interface portion and a transaction initiation device portion; said interface configured to permit automatic operation and reading of said transaction initiation device via said standard interface portion; said interface being coupled configured to provide substitute input signals to said transaction initiation device processor in place of signals from said transaction initiation device manually operable inputs; said interface being coupled to inputs to said human readable display, said interface being separate from said transaction initiation device communications port;

a test processor coupleable to said interface standard interface portion; and

a computer program executable by said test processor and operable to cause said test processor to access said interface and operable to provide test scripts to said interface to generate said substitute input signals and operable such that said test processor receives to receive said inputs to said human readable display.

Serial No. 09/441,569

CLAIM 2 (CURRENTLY AMENDED). A test system in accordance with claim 1, further comprising:

a trace file at said test processor for storing each one of said test scripts script and corresponding display results.

CLAIM 3 (CURRENTLY AMENDED). A test system in accordance with claim 1, wherein:

said interface is coupleable to said transaction initiation device memory; and

said test system comprises a computer program for accessing the contents of said transaction initiation device memory for analysis purposes.

CLAIM 4 (CURRENTLY AMENDED). A system in accordance with Claim 1, comprising wherein:

~~said a test processor computer coupleable to said interface and operable in accordance with said computer program comprises a personal computer.~~

CLAIM 5 (NEWLY ADDED). A system in accordance with claim 1, comprising:

a second computer program operable to provide scripted responses to said transaction initiation device.

CLAIM 6 (NEWLY ADDED). A system in accordance with claim 5, comprising:

a second test processor coupled to said transaction initiation device communication port, said second computer program being operable on said second test

Serial No. 09/441,569

processor, whereby a closed loop test execution system is provided for said transaction initiation device.

CLAIM 7 (NEWLY ADDED). A system in accordance with claim 5, wherein:

 said second computer program is operable on said first test processor, whereby a closed loop test execution system is provided for said transaction initiation device.

CLAIM 8 (NEWLY ADDED). A system in accordance with claim 1, comprising:

 data collection and processing software operable to generate a data record of responses of said transaction initiation device.

CLAIM 9 (NEWLY ADDED). A system in accordance with claim 4, comprising:

 a windows based operating system on said personal computer, said personal computer operable to display commands corresponding to manual input sequences understood by said transaction initiation device such that said commands may be dragged and dropped into a logical sequence of actions to form a test script.

CLAIM 10 (NEWLY ADDED). A system in accordance with claim 4, comprising:

 a second personal computer coupled to said communications port to provide scripted responses to data received via said communications port.

CLAIM 11 (NEWLY ADDED). A method for testing a transaction initiation device utilized in an electronic funds transfer system, said transaction initiation device

Serial No. 09/441,569

comprising manually operable inputs, a human readable display for displaying messages, a communications port for communication of transaction information, a memory and a processor, said method comprising:

providing an interface separate from said communications port for converting proprietary signaling within said transaction initiation device to nonproprietary signaling at a standard interface for use with multiple proprietary arrangements, said interface comprising a standard interface portion and a transaction initiation device portion;

configuring said interface for automatic operation and reading of said transaction initiation device via said standard interface portion;

configuring said interface to provide substitute input signals to said transaction initiation device processor in place of signals from said transaction initiation device manually operable inputs;

coupling said interface to inputs to said human readable display;

providing a test processor coupleable to said interface standard interface portion; and

executing a computer program by said test processor to cause said test processor to access said interface, to provide test scripts to said interface to generate said substitute input signals and to receive said inputs to said human readable display.

CLAIM 12 (NEWLY ADDED). A method in accordance with claim 11, comprising:

providing a trace file at said test processor for storing each one of said test scripts and corresponding display results.

Serial No. 09/441,569

CLAIM 13 (NEWLY ADDED). A method in accordance with claim 11, comprising:
coupling said interface to said transaction initiation device memory; and
providing a computer program for accessing the contents of said transaction initiation device memory for analysis purposes.

CLAIM 14 (NEWLY ADDED). A method in accordance with claim 11, comprising:
providing a personal computer as said test processor.

CLAIM 15 (NEWLY ADDED). A method in accordance with claim 14, comprising:
obtaining specifications for said transaction initiation device;
constructing commands corresponding to manual input sequences understood by said transaction initiation device;
presenting said commands to a test system user on a windows display such that said commands may be dragged and dropped into a logical sequence of actions that simulate manual input sequences a transaction initiation device user would input to form a test script.

CLAIM 16 (NEWLY ADDED). A method in accordance with claim 15, comprising:
capturing said test script commands sent to said transaction initiation device via said interface;
capturing transaction initiation device data transmitted by said transaction initiation device via said communications port in response to test script commands;

Serial No. 09/441,569

storing said captured test script commands and corresponding said captured data in a trace file.

CLAIM 17 (NEWLY ADDED). A method in accordance with claim 16, comprising:

providing a virtual display of said transaction initiation device at said personal computer; and

providing a display of each test at said personal computer.

CLAIM 18 (NEWLY ADDED). A method in accordance with claim 16, comprising:

providing scripted responses to said transaction initiation device via said communications port.

CLAIM 19 (NEWLY ADDED). A method in accordance with claim 18, comprising:

providing a second computer program executable by said personal computer to generate said scripted responses.

CLAIM 20 (NEWLY ADDED). A method in accordance with claim 18, comprising:

coupling a second personal computer to said communications port; and

executing a second computer program by said second personal computer to provide said responses.